

WHAT IS CLAIMED IS:

1. A method for manufacturing a fuel hose to form a protector layer on an outer peripheral surface of a resinous inner layer, comprising the steps of extruding an ultraviolet crosslinking composition for a protector layer which contains the following components A to D, onto the outer peripheral surface of the resinous inner layer; and irradiating ultraviolet rays to polymerize the ultraviolet crosslinking composition, thus forming a protector layer:

- (A) ethylene-propylene-diene rubber;
- (B) acrylate-based monomer;
- (C) silica; and
- (D) photopolymerization initiator.

2. The method according to Claim 1, wherein a ratio of component A and component B is in a range of component A/component B = 95/5 to 60/40 in weight ratios; a ratio of component C, relative to a total of 100 weight parts of component A and component B, is in a range of 5 to 60 weight parts; and a ratio of component D, relative to a total of 100 weight parts of component A and component B, is in a range of 1 to 5 weight parts.

3. The method according to Claim 1, wherein the

ultraviolet crosslinking composition for a protector layer comprises the following component E and component F in addition to the components A to D:

(E) resorcinol-based compound; and

(F) melamine resin.

4. The method according to Claim 2, wherein the ultraviolet crosslinking composition for a protector layer comprises the following component E and component F in addition to the components A to D:

(E) resorcinol-based compound; and

(F) melamine resin.

5. The method according to Claim 3, wherein a ratio of component E and component F is in a range of component E/component F = 1/0.5 to 1/2 in weight ratios.

6. The method according to Claim 4, wherein a ratio of component E and component F is in a range of component E/component F = 1/0.5 to 1/2 in weight ratios.

7. The method according to Claim 3, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

8. The method according to Claim 4, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

9. The method according to Claim 5, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

10. The method according to Claim 6, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

11. An ultraviolet crosslinking composition for use in a method for manufacturing a fuel hose described in Claim 1, comprising the following components A to D:

- (A) ethylene-propylene-diene rubber;
- (B) acrylate-based monomer;
- (C) silica; and
- (D) photopolymerization initiator.

12. The ultraviolet crosslinking composition according to Claim 11, wherein a ratio of component A and

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component B is in a range of component A/component B = 95/5 to 60/40 in weight ratios; a ratio of component C, relative to a total of 100 weight parts of component A and component B, is in a range of 5 to 60 weight parts; and a ratio of component D, relative to a total of 100 weight parts of component A and component B, is in a range of 1 to 5 weight parts.

13. The ultraviolet crosslinking composition according to Claim 11, further comprising the following component E and component F in addition to the components A to D:

- (E) resorcinol-based compound; and
- (F) melamine resin.

14. The ultraviolet crosslinking composition according to Claim 12, further comprising the following component E and component F in addition to the components A to D:

- (E) resorcinol-based compound; and
- (F) melamine resin.

15. The ultraviolet crosslinking composition according to Claim 13, wherein a ratio of component E and component F is in a range of component E/component F = 1/0.5

to 1/2 in weight ratios.

16. The ultraviolet crosslinking composition according to Claim 14, wherein a ratio of component E and component F is in a range of component E/component F = 1/0.5 to 1/2 in weight ratios.

17. The ultraviolet crosslinking composition according to Claim 13, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

18. The ultraviolet crosslinking composition according to Claim 14, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

19. The ultraviolet crosslinking composition according to Claim 15, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of 100 weight parts of the component A and component B.

20. The ultraviolet crosslinking composition according to Claim 16, wherein a ratio of the component E is in a range of 0.1 to 10 weight parts relative to a total of

100 weight parts of the component A and component B.

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